

## DR-7

**BIOFILM FOR TREATING BURNS BASED ON THE COMBINATION  
OF CHEMICAL AND BIOLOGICAL COMPONENTS**

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**Abstract.** The problem of treating thermal damage to soft tissues of the body and eliminating skin defects remains one of the most important problems for both theoretical and practical medicine [1]. At this time, the main method of treating thermal skin lesions is early necrectomy with subsequent autodermoplasty [2]. However, when using this method, the mortality rate of seriously ill patients remains high enough, due to the high incidence of infectious complications against the background of prolonged burn wounds, and the impossibility of timely and effective free autodermoplasty [3]. Antibiotics have reduced the number of local and general manifestations, but resistance arises for many of them. Modern developments on the creation of coatings for burn wounds can significantly narrow the indications for the use of antibiotics [4, 5]. Gradually, other treatment methods based on local use of cultures of allogeneic fibroblasts are being introduced into clinical practice [6, 7]. But these methods are highly costly and inconvenient [8,9]. Therefore, there is a need to develop a topical drug that meets all the requirements. Its recipe can be represented as follows: Glycerin – 5.0; Gelatin – 28.5; Trimecaine – 5.0; Purified water – 51.5 ml; Zinc oxide – 10.0; Tissucol Kit – 5.0

**References**

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